



Australian Monitor

# High Definition Array Type Model HDA-1



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## TECHNICAL DESCRIPTION AND PERFORMANCE SPECIFICATIONS

### SYSTEM DESCRIPTION

The HDA-1 is a slender loudspeaker in a column configuration which provides custom flexibility in a space saving design. This combination provides a clean sounding speaker in a convenient package. The system utilises frequency and phase tapering to control dispersion over the critical speech intelligibility. It is ideal for background music needs of schools, businesses and institutions.

The loudspeaker provides greater potential for speech intelligibility in highly reverberant spaces. The control of vertical lobe error provides even dispersion over the target listening area without "nulls" or "peaks" normally associated with wide bandwidth loudspeakers. The system is highly stable against feedback where the microphone position is close to the loudspeaker.

### SPECIFICATIONS

<b>FREQUENCY RESPONSE</b>	100Hz with 3dB/octave slope between 2KHz & 14KHz.						
<b>DIRECTIVITY:</b>	40 degrees vertical * 90 degrees horizontal (-6dB points)						
<b>SENSITIVITY</b>	96dB at one metre for 1 watt input.						
<b>POWER HANDLING</b>	120 watts peak power.						
<b>NOMINAL IMPEDANCE</b>	6 ohms ( OR OPTIONAL LINE LEVEL )						
<b>DIMENSIONS</b>	<table border="0"> <tr> <td>Hieght</td> <td>Depth</td> <td>Width</td> </tr> <tr> <td>800mm</td> <td>x 160mm</td> <td>x 140mm</td> </tr> </table>	Hieght	Depth	Width	800mm	x 160mm	x 140mm
Hieght	Depth	Width					
800mm	x 160mm	x 140mm					
<b>WEIGHT</b>	8kg						
<b><u>Line Transformer Specifications:</u></b>							
<b>Bandwidth</b>	50Hz to 15Khz						
<b>Insertion Loss</b>	Less than 0.5dB						
<b>Distortion</b>	Less than 1%						
<b>Input Taps</b>	70v/100v and switchable to 6 ohms						

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# High Definition Array Type Model HDA-2



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## TECHNICAL DESCRIPTION AND PERFORMANCE SPECIFICATIONS

### SYSTEM DESCRIPTION

The HDA-2 is a compact loudspeaker intended to supplement the larger HDA-1 in multi-loudspeaker installations. The HDA-1 exhibits similar directivity control.

The loudspeaker provides high intelligibility speech transfer from an enclosure that is flexible in its location where space is a major constraint. The system is perfect for use with a delay line in conjunction with the HDA-1 system.

Due to the controlled lobing error, the system is also highly stable against feedback where the microphone position is close to the loudspeaker.

The array comprises 3 x 100mm SIGMA-DERIVED full range drivers mounted in a high structural strength enclosure. Supplied with integral 9mm machine thread anchor points top and bottom.

### SPECIFICATIONS

<b>FREQUENCY RESPONSE</b>	150Hz with 3dB/octave slope between 2KHz & 14KHz.		
<b>DIRECTIVITY:</b>	40 degrees vertical x 90 degrees horizontal (-6dB points)		
<b>SENSITIVITY</b>	94dB at one metre for 1 watt input.		
<b>POWER HANDLING</b>	40 watts continuous 90 watts peak.		
<b>NOMINAL IMPEDANCE</b>	4 ohms ( OR OPTIONAL LINE LEVEL )		
<b>DIMENSIONS</b>	Hieght	Depth	Width
	380mm x 160mm x 140mm		
<b>WEIGHT</b>	4.5kg		
<b><u>Line Transformer Specifications:</u></b>			
<b>Bandwidth</b>	50Hz to 15Khz		
<b>Insertion Loss</b>	Less than 0.5dB		
<b>Distortion</b>	Less than 1%		
<b>Input Taps</b>	70v/100v and switchable to 4 ohms		

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